Comverge Cross Exhibit 2

ICC Docket No. 12-0484

Commonwealth Edison Company's Response to
Illinois Commerce Commission ("STAFF") Data Requests
JZ 1.01 – 1.06
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Witness Kennedy
Date 12-7-12 Reporter Dinli

REQUEST NO. JZ 1.02:

Attachment C to the Petition of Commonwealth Edison Company to Establish a Peak Time Rebate Program states, at Page 2:

> The lower load reduction assumes 10% average load reduction for PTR participants and the higher load reduction level assumes 20% average load reduction for PTR participants … In this analysis, ComEd assumed that DLC installation would double the average load reduction for those PTR participants who choose to install DLC, as compared to the average load reduction for PTR participants who do not choose to install a DLC device.

A. Please provide the peak kilowatt (kW) usage per residential customer per year assumed for those customers who do not choose to participate in the PTR program. In responding, please provide the time period corresponding to each year (e.g., Year 1 is assumed to be June 1, 2014 – May 30, 2015).

B. Please provide the peak kilowatt (kW) reduction per residential customer for those customers assumed to participate in the PTR program and assumed not to install a DLC device, for each year, assuming a 10% load reduction for PTR participants that do not choose to install a DLC device. In responding, please provide the time period corresponding to each year (e.g., Year 1 is assumed to be June 1, 2014 – May 30, 2015).

C. Please provide the peak kilowatt (kW) reduction per residential customer for those customers assumed to participate in the PTR program and assumed to install DLC devices, for each year assuming a 20% load reduction for PTR participants that choose to install a DLC device. In responding, please provide the time period corresponding to each year (e.g., Year 1 is assumed to be June 1, 2014 – May 30, 2015).

D. Please provide the peak kilowatt (kW) reduction per residential customer for those customers assumed to participate in the PTR program and assumed not to install a DLC device, for each year, assuming a 20% load reduction for PTR participants that do not choose to install a DLC device. In responding, please provide the time period corresponding to each year (e.g., Year 1 is assumed to be June 1, 2014 – May 30, 2015).

E. Please provide the peak kilowatt (kW) reduction per residential customer for those customers assumed to participate in the PTR program and assumed to install DLC devices, for each year assuming a 40% load reduction for PTR participants that choose to install a DLC device. In responding, please provide the time period corresponding to each year (e.g., Year 1 is assumed to be June 1, 2014 – May 30, 2015).

F. What is the assumption with respect to the operation of the direct load control devices (e.g. 50 percent cycling rate) upon which the 20 and 40 percent reductions are based? What is basis for any imputed cycling rate?

RESPONSE:

A. The average peak period per residential customer load is 2.25 kW for each year from 2013 through 2032. This figure is shown at Excel cell D76 of the "Inputs" ab of the attachment labeled as JZ 1.01_Attach 1, attached to ComEd's Response to Staff Data Request JZ 1.01. This figure is derived from the 2010 residential hourly load data from 1 pm through 7 pm for non holiday weekdays from June 1 through August 31, 2010 provided in the "Hourly Data" tab of the attachment labeled as JZ 1.01_Attach 1, attached to ComEd's Response to Staff Data Request JZ 1.01.

B. The average peak period load reduction for PTR participants that do not install a DLC device and have an average 10% load reduction is 0.225 kW (= 2.25 * 0.10) per such participant for each year from 2013 through 2032.

C. The average peak period load reduction for PTR participants that choose to install a DLC device and have an average 20% load reduction is 0.45 kW (= 2.25 * 0.20) per such participant for each year from 2013 through 2032.

D. The average peak period load reduction for PTR participants that do not install a DLC device and have an average 20% load reduction is 0.45 kW (= 2.25 * 0.20) per such participant for each year from 2013 through 2032.

E. The average peak period load reduction for PTR participants that choose to install a DLC device and have an average 40% load reduction is 0.90 kW (= 2.25 * 0.40) per such participant for each year from 2013 through 2032.

F. In many PTR pilots across the US, utilities have observed approximately double the load response when using DLC as compared to using behavioral/price signals alone. The most comprehensive data ComEd is aware of that supports this claim is Slide 4 which is attached as JZ 1.02_Attach 1. In addition, ComEd applied lessons learned from its Customer Applications Pilot (CAP), summarized in the paper entitled: "The Effect on Electricity Consumption of the Commonwealth Edison Customer Application Program Pilot: Phase 1, Appendices" which can be found at http://my.epri.com/portal/server.pt?Abstract_id=000000000001022761 .
As such, ComEd did not build a bottom up projection based on any imputed cycling level to determine the impact of DLC. Rather, ComEd used the doubling of load reduction to create order-of-magnitude estimates that could be used as bounding scenarios.